



FIG. 1

| ID | Polymer | Polymer % of Solution | Crosslinking Agent 1 | Crosslinking Agent 2 | Crosslinker 1 % of Solution | Crosslinker 2 % of Solution | Modifying Agent | Modifier % of Solution | Visc | pH |
|----|------------------|-----------------------|----------------------|----------------------|-----------------------------|-----------------------------|-----------------|------------------------|-------|---------|
| 1 | J3000 15kgy | 1 | Tyzor217 | Glyoxal | 0.20 | 0.10 | Adipic Acid | 0.01 | 95 | NA |
| 2 | J3000 | 0.75 | Tyzor217 | Glyoxal | 0.20 | 0.10 | Adipic Acid | 0.02 | 670 | 4.1 |
| 3 | Super Tack | 0.5 | Tyzor217 | | 0.08 | | | | 45 | NA |
| 4 | Super Tack | 0.5 | Tyzor217 | | 0.08 | | | | 10400 | NA |
| 5 | C1000 | 1 | Tyzor217 | | 0.30 | | | | 460 | NA |
| 6 | GuardDepoly E145 | 1 | Tyzor217 | Glyoxal | 0.25 | 0.25 | | | 320 | 6.1 |
| 7 | J3000 | 0.5 | Tyzor217 | Glyoxal | 0.13 | 0.13 | | | 118 | 6.4 |
| 8 | TDP-20 | 2 | Tyzor217 | Glyoxal | 0.54 | 0.26 | Adipic Acid | 0.02 | 133 | 4.0-4.5 |
| 9 | RT3088 | 1 | Tyzor217 | Glyoxal | 0.27 | 0.13 | Adipic Acid | 0.02 | 98 | 4.5 |
| 10 | TDP-20 | 2.75 | Tyzor217 | Glyoxal | 0.74 | 0.36 | Adipic Acid | 0.02 | 490 | 4.2 |
| 11 | TDP-20 | 2 | Tyzor217 | Glyoxal | 0.40 | 0.20 | Adipic Acid | 0.02 | 148 | 4.2 |
| 12 | TDP-20 | 2 | Tyzor217 | Glyoxal | 0.40 | 0.10 | Adipic Acid | 0.02 | 143 | 4.2 |
| 13 | G2 25kgy | 2 | Tyzor217 | Glyoxal | 0.40 | 0.20 | Adipic Acid | 0.02 | 475 | 4.4 |
| 14 | G2 25kgy | 1.5 | Tyzor217 | Glyoxal | 0.30 | 0.15 | Adipic Acid | 0.02 | 220 | 4.3 |
| 15 | G2 25kgy | 1 | Tyzor217 | Glyoxal | 0.20 | 0.10 | Adipic Acid | 0.01 | 45 | 4.3 |
| 16 | G2 15kgy | 1 | Tyzor217 | Glyoxal | 0.20 | 0.10 | Adipic Acid | 0.01 | 95 | 4.5 |
| 17 | G2 8kgy | 1 | Tyzor217 | Glyoxal | 0.20 | 0.10 | Adipic Acid | 0.01 | 183 | 4.6 |
| 18 | G2 5 kgy | 1 | Tyzor217 | Glyoxal | 0.20 | 0.10 | Adipic Acid | 0.01 | 248 | 4.6 |
| 19 | G2 15kgy | 1.5 | Tyzor217 | Glyoxal | 0.30 | 0.15 | Adipic Acid | 0.016 | 530 | 4.5 |
| 20 | G2 5 kgy | 1 | CL161 | | 0.40 | | | | 300 | NA |
| 21 | G2 8kgy | 1 | Tyzor217 | Glyoxal | 0.27 | 0.13 | | | 165 | 6.5 |
| 22 | C1000 | 0.75 | Tyzor217 | | 0.19 | | | | 53 | NA |
| 23 | C1000 | 0.75 | Tyzor217 | | 0.19 | | | | 110 | NA |
| 24 | C1000 | 0.75 | Tyzor217 | | 0.19 | | | | 130 | NA |
| 25 | J3000 | 0.75 | TyzorLA | | 0.117 | | | | 250 | NA |
| 26 | J3000 | 0.75 | Tyzor217 | | 0.23 | | | | 510 | 6.2 |
| 27 | J3000 | 0.5 | TyzorLA | | 0.078 | | | | 67 | NA |
| 28 | J3000 | 0.5 | Tyzor217 | | 0.18 | | | | 68 | NA |
| 29 | J3000 | 0.5 | Tyzor217 | | 0.13 | | | | 95 | NA |
| 30 | J3000 | 0.5 | Tyzor217 | | 0.15 | | | | 98 | NA |

FIG. 2